NO. 0030 P. 6

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Amendments to the Specification:

Please amend the paragraph beginning on page 5, line 3, of the Specification as follows:

The above-mentioned multilayer polyimide film preferably has a linear expansion coefficient (Machine Direction (MD), Traverse Direction (TD) and their average, at 50-200°C) of 10x10⁻⁶ to 35x10⁻⁶ cm/cm/°C.

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Please amend the paragraph beginning on page 5, line 24, of the specification as follows:

In FIG. 1, an intervening flexible thermoplastic polymer film 3 having a reverse pattern of a predetermined conduit pattern is placed between a pair of flexible thermoplastic polymer films (i.e. cover films) 2, 2'. On one cover film 2 is placed a heat conductive sheet 5. The multilayer structure of the heat conductive sheet 5, cover film 2, intervening film 3, and cover film 2' is heated under pressure. Thus, a composite structure is produced. In the structure, the cover film 2 and cover film 2' are firmly fused together via the intervening film 3 which produces a conduit pattern between the cover films. To the cover film 2 is fixed the heat conductive sheet. Then, a flexible film 6 having a heat radiant metal layer on one side is fixed to the heat conductive sheet 5. Subsequently, a fluid (gas or liquid such as ammonium gas, water, fluorinated liquid (e.g., Florinate available from 3M Corporation) FLORINATE (fluorinated liquid) available from 3M Corporation is introduced under pressure into the conduit pattern so as to produce the desired conduit, as is illustrated in FIG. 1. Thereafter, a set of an inlet tube 41 and an outlet tube 42 are fixed to the inlet and outlet of the conduit. Thus, the desired flexible heat exchanger 1 of the invention is manufactured.

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Please amend the paragraph beginning on page 6, line 14, of the specification as follows:

In the above-mentioned manufacturing method, it is preferred that the heat conductive sheet (or film) has a heat conductivity of 350 W/mk or higher and a thickness of 10 µm to 2 mm. An example of the heat conductive sheet is graphite sheet (e.g., PGS Graphite Sheet, available from Matsushita Electronic Parts Co., Ltd.) PGS GRAPHITE SHEET (graphite sheet) available from Matsushita Electronic Parts Co., Ltd.

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Please amend the paragraph beginning on page 9, line 8, of the specification as follows:

Stainless steel sheet (SUS, 200 mm x 200 mm x 1.5 mm) - releasing polyimide film (Upilex S available from Ube Industries, Ltd., UPILEX S (releasing polyimide film) available from Ube Industries, Ltd., 200 mm x 200 mm x 25 μ m) - silicone rubber sheet (150 mm x 150 mm x 1 mm) - polyimide films (Upilex-S UPILEX S. 200 mm x 200 mm x 25 μ m) - two flexible thermoplastic polyimide films I (100 mm x 100 mm x 25 μ m) - a set of heat insulating sheets forming a reverse pattern of a conduit pattern (see FIG. 2, made of an aromatic polyamide non woven cloth, Technola Felt, available from Teijin Corporation, 210 g/m³) TECHNOLA FELT (aromatic polyamide non-woven cloth, 210 g/m²) available from Teijin Corporation) - releasing polyimide film (Upilex S, UPILEX S, 200 mm x 200 mm x 25 μm) - stainless steel sheet (SUS, 200 mm x 200 mm x 1.5 μ m).

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Please amend the paragraph beginning on page 9, line 32, of the specification as follows:

Stainless steel sheet (SUS, 200 mm x 200 mm x 1.5 mm) - releasing polyimide film (Upilex S, UPILEX S, 200 mm x 200 mm x 25 μ m) - silicone rubber sheet (150 mm x 150 mm x 1 mm) - polyimide film (Upilex S, UPILEX S, 200 mm x 200 mm x 25 μ m) - flexible thermoplastic polyimide film I (100 mm x 100 mm x 25 μ m) - copper foil having a conduit pattern (see Fig. 3, USLPR2-9, available from Japan Electrolysis Co., Ltd, thickness: 9 μ m) - flexible thermoplastic polyimide film I (100 mm x 100 mm x 25 μ m) - releasing polyimide film (Upilex S, UPILEX S, 200 mm x 200 mm x 25 μ m) - stainless steel sheet (SUS, 200 mm x 200 mm x 1.5 mm).